

20021214.qrp v02_n769.qrl.20021214

Date: Sat, 14 Dec 2002 19:03:10 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2769

QRP-L Digest 2769

Topics covered in this issue include:

- 1) [142122] Presentation on Stealth Antennas? - ideas
by "Charles Mabbott" <aa8vs@msn.com>
- 2) [142123] Re: Results with no AGC and wide filter
by "James R. Duffey" <JamesDuffey@comcast.net>
- 3) [142124] Fwd: FOX: WD7Z Prelim Log
by Dave Fuller <rfgdma@spinn.net>
- 4) [142125] FW: Do we know how many Hounds are in the pack?
by Dave Fuller <rfgdma@spinn.net>
- 5) [142126] RE: FOX: Do we know how many Hounds are in the pack?
by "Andreas Hofmann" <andreash@microsoft.com>
- 6) [142127] Toggle switches for TR switching on receiver (or transmitter)
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [142128] QRP on 40 meters.
by Michael Byrd <m.byrd10@verizon.net>
- 8) [142129] CW instruction help
by Tom Popovic <ki3r@yahoo.com>
- 9) [142130] Re: FOX: Do we know how many Hounds are in the pack?
by "Marshall Emm" <mgemm@ntechnologies.com>
- 10) [142131] RE: Results with no AGC and wide filter
by "Karl F. Larsen" <k5di@zianet.com>
- 11) [142132] How to put an Elecraft K2 on 60 meters
by Wayne Burdick <n6kr@elecraft.com>
- 12) [142133] CW oops..
by Tom Popovic <ki3r@yahoo.com>
- 13) [142134] Re: Results with no AGC and wide filter
by "Karl F. Larsen" <k5di@zianet.com>
- 14) [142135] How to put an Elecraft K2 on 60 meters--KAT2 correction
by Wayne Burdick <n6kr@elecraft.com>
- 15) [142136] Rock Mite current ?
by n5ib@juno.com
- 16) [142137]
by "Don Foster" <k5kw@geotec.net>
- 17) [142138] Re: Rock Mite current ?
by "Rod N0RC" <rod@n0rc.us>
- 18) [142139] Re:
by "Rod N0RC" <rod@n0rc.us>
- 19) [142140] Fox - Winter Fox Hunt Teams Results.

- by Bruce Rattray <rattray@gpfn.sk.ca>
- 20) [142141] Re: Results with no AGC and wide filter
by William R Colbert <w5xe@juno.com>
- 21) [142142] Re:
by "Pat Whelton" <pwhelton@earthlink.net>
- 22) [142143] Integrated Noise and Filter WIdth
by "James R. Duffey" <JamesDuffey@comcast.net>
- 23) [142144] Re: OHR500
by "Dave Martin" <k2zu@seanet.com>
- 24) [142145] Copiable CW Signals
by "James R. Duffey" <JamesDuffey@comcast.net>
- 25) [142146] Re: Rock Mite current
by "Bill, N4QA" <n4qa@hotmail.com>
- 26) [142147] Fw: OHR500
by "vze4jt6u" <vze4jt6u@verizon.net>
- 27) [142148] AOL 8.0 Postings
by N0tk@aol.com
- 28) [142149] OT: MFJ-1275M and IC-706MIIG Hookup
by "William Phinizy" <k6whp@verizon.net>
- 29) [142150] FS: Ten-Tec Argosy 525 Analog
by "Ward Silver" <hwardsil@centurytel.net>
- 30) [142151] Re: OHR500
by "Walter Amos" <waltk8cvamosqrp@earthlink.net>
- 31) [142152] RE: Results with no AGC and wide filter
by Mark Schoonover <schoon@amgt.com>
- 32) [142153] Re: Copiable CW Signals
by "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>
- 33) [142154] person who sent me OHR500 info - I lost your email!
by <tlogan7@cox.net>
- 34) [142155] Re: AOL 8.0 Postings
by "Karl F. Larsen" <k5di@zianet.com>
- 35) [142156] Re: Presentation on Stealth Antennas?
by "w5tb" <w5tb@arrl.net>
- 36) [142157] CW FILTER FOR SALE
by IamSF5@aol.com
- 37) [142158] FS/FT: Drake 2B and 2BQ
by "Alan Fryer" <n3bj@hotmail.com>
- 38) [142159] SKN/RMN
by "Rod N0RC" <rod@n0rc.us>
- 39) [142160] Good sigs out of VE7 & W7 on 80 here in southwest VA last night...
by "Bill, N4QA" <n4qa@hotmail.com>
- 40) [142161] Re: SKN/RMN
by "Dave Benson" <nn1g@earthlink.net>
- 41) [142162] Re: SKN/RMN
by "Rod N0RC" <rod@n0rc.us>
- 42) [142163] Re: SKN/RMN
by W2AGN <w2agn@w2agn.net>
- 43) [142164] Re: SKN/RMN

by wkhibbert@juno.com

44) [142165] Re: SKN/RMN
by "Bill, N4QA" <n4qa@hotmail.com>

45) [142166] Re: SKN/RMN
by Chuck Carpenter <w5usj@9plus.net>

46) [142167] Re: SKN/RMN
by Chuck Carpenter <w5usj@9plus.net>

47) [142168] Yes, kind person!! who sent me OHR500 info - I lost your email!
by "Walter Amos" <waltk8cvamosqrp@earthlink.net>

48) [142169] RE: Results with no AGC and wide filter
by Garey Barrell <k4oah@mindspring.com>

49) [142170] Datak Basic VFO kit
by "K0FF" <K0FF@nemonet.com>

50) [142171] RE: SKN/RMN
by Karl Kanalz <kkanalz@gcecispc.com>

51) [142172] Re: Datak Basic VFO kit
by "John J. McDonough" <wb8rcr@arrl.net>

52) [142173] Re: SKN/RMN
by Lloyd Lachow <llachow@yahoo.com>

53) [142174] Pixie questions
by "Kenny Mac" <killmodell@earthlink.net>

54) [142175] G3YCC's Homebrew Key
by wkhibbert@juno.com

55) [142176] Re: SKN/RMN
by "blinn" <blinn@smgazette.com>

56) [142177] Re: SKN/RMN
by n5ib@juno.com

57) [142178] Re: SKN/RMN [R-M/80 QRV]
by Chuck Carpenter <w5usj@9plus.net>

58) [142179] Re: SKN/RMN
by Thom LaCosta <baltimoremd@baltimoremd.com>

59) [142180] RE: Results with no AGC and wide filter
by Mark Schoonover <schoon@amgt.com>

60) [142181] Fox - Winter Fox Hunt Teams.
by Bruce Rattray <rattray@gpfn.sk.ca>

61) [142182] Re: Datak Basic VFO kit
by "James R. Duffey" <JamesDuffey@comcast.net>

62) [142183] Re: SKN/RMN
by "Dave Benson" <nn1g@earthlink.net>

63) [142184] RE: SKN/RMN
by Nick Kennedy <nkennedy@tcainet.net>

64) [142185] EPAQRP 2003 Calendars received - very nice
by "George Heron N2APB" <n2apb@erols.com>

65) [142186] Re: Datak Basic VFO kit
by "Thomas Kuehl" <ac7a@earthlink.net>

66) [142187] Re: Datak Basic VFO kit UPDATE DE K0FF
by "K0FF" <K0FF@nemonet.com>

67) [142188] Re: Yes, kind person!! who sent me OHR500 info - I lost your email!

by "Alan Slusher" <aslusher@sunbeach.net>
68) [142189] Homebrew keys and paddles DE K0FF
by "K0FF" <K0FF@nemonet.com>
69) [142190] Re: SKN/RMN.....IA QRP Paperclip Straight Key
by "Burnley" <nu0v@arrl.net>
70) [142191] Re: SKN/RMN.....IA QRP Paperclip Straight Key
by "Ian Wilson" <ianmwilson@earthlink.net>
71) [142192] Fw: test
by "Frank King" <fking@oregonvos.net>
72) [142193] Re: 222MHz for FT-817?
by "K0FF" <K0FF@nemonet.com>
73) [142194] Power supply
by Juan Ferrari <puntrad@usa.net>
74) [142195] RE: Results with no AGC and wide filter
by "Karl F. Larsen" <k5di@zianet.com>
75) [142196] Re: Datak Basic VFO kit
by Rick McKee <kc8aon@juno.com>
76) [142197] RE: Results with no AGC and wide filter
by W2AGN <w2agn@w2agn.net>

Date: Fri, 13 Dec 2002 19:23:26 -0500
From: "Charles Mabbott" <aa8vs@msn.com>
To: qrp-l@lehigh.edu
Subject: [142122] Presentation on Stealth Antennas? - ideas
Message-ID: <F23i8FYulybgY8fpj3l0001a7f1@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Don't forget for the folks that still have roof mounted TV antennas, it is nice to be safe and have them guyed.
Can we say sloper, inverted V,.....

The proverbial flag pole antenna, a buddy of mine when asked by a neighbor he pointed out to him the last wind they had the flag pole got bent. So he was putting reinforcing into it for support. Can we say 20 meter vertical.

I have used with a decent degree of success antennas in the attic since I first got into hobby. I hope some of these ideas help.

73 oo
Chuck AA8VS

"Whoever said the pen is mightier than the sword obviously never encountered automatic weapons."

<http://68.43.100.7:81/aa8vs>

>From: "Mike Yetsko" <myetsko@insydesw.com>
>Reply-To: myetsko@insydesw.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Presentation on Stealth Antennas?
>Date: Fri, 13 Dec 2002 16:55:59 -0500
>
> > Help! I have been asked to prepare a 45-minute presentation on building
> > and using stealth antennas. The presentation will be part of Ham Radio
> > University 2003, which will be held on Jan. 19 in Long Island, NY. I
>would
> > greatly appreciate your guidance on what to include in the session. I
>know
> > that the ARRL has a book on the subject, but I will need additional
> > resources.
> >
> > Thanks very much & 72,
> > Jeff
> > WB5GWB@ARRL.NET
>
>Well, right off the bat I'd divide it into two classes. Maybe more after
>some thought, but right away into:
>
>1) Things that don't look like an antenna.
>
> and
>
>2) Things that are hidden and are antennas.
>
>In the first class, talk about loading up things. Like drain spouts.
>Extending your 'vent stack' on your house. A TV antenna with that
>extra little whip sticking up... Those kinds of things.
>
>Then for the hidden class, dipoles taped on ceilings, even from
>room to room. Long wires laid and hung in vinyl gutters. I'd also
>consider things like disguise antennas for cars in the second
>class. And the 'flagpoles' that are SLVs.
>
>And then the antennas that are both. Like what looks like a 60's
>vintage pole lamp. Or when you break the air duct in your
>house and insulate either end and...
>

>Mike

The new MSN 8: smart spam protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Fri, 13 Dec 2002 17:24:00 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: qrp-1@lehigh.edu
Subject: [142123] Re: Results with no AGC and wide filter
Message-ID: <BA1FC830.21E2B%JamesDuffey@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Karl - I can understand running the 817 with the AGC turned off, but why use the wide filter? Why not use the narrow filter? The noise decreases by the square root of the bandwidth, so the signal to noise ratio improves by the square root of the bandwidth. If you were trying to pull Dave out of the noise, I think that the narrow filter would be best. Now the ear can compensate for part of this by filtering in the brain, but not all of it. I always find CW easier to copy with a narrower filter.

I usually turn the AGC off when receiving CW, even with a receiver that has good AGC. This is partially habit as my first receiver was a HQ-110A that had to be run this way, and partially because I think the receiver sounds better. The signals have more dynamic range and it is easy to tell weak signals from strong ones. But this is objective.

My experience with using the FT - 817 on CW with the wide filter was rather unpleasant. There was a lot of bleed through from the other sideband and most signals on the band could be heard twice, although one sideband was more attenuated than the other. I concluded that operating CW on the FT-817 would be painful without the optional filter. I don't own an FT-817, but I must admit that I have been tempted. More from the standpoint of a portable VHF station than for HF QRP use. Just my \$0.02 worth. - Dr. Megacycle
KK6MC/5

--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Fri, 13 Dec 2002 17:23:40 -0700
From: Dave Fuller <rfgcdma@spinn.net>
To: qrp-l@lehigh.edu
Subject: [142124] Fwd: FOX: WD7Z Prelim Log
Message-ID: <5.1.1.5.2.20021213172320.024180c8@mail.spinn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>
>>Conditions the first hour were great I had 77 Q's.
>>I was seriously thinking I would be posting a new personal best. Not to
>>be.... for at 0310 things got UGLY...band seemed to get really wierd.
>>Signals were QSB and weak.
>>Some close stations stayed strong but I had already worked them. (heard
>>them after the fox hunt)
>>
>>I would love to start the hunt at 0100 (I think)
>>
>>Cabrillo format....I'm all for it. Working with text logs is a huge pain. I
>>had 600+ Q's in the sweepstakes and it took me all of five minutest to
>>submit my log! This measely 115 was a whole lot of work and I'm sure some
>>will notify me that I'm not done yet. Well bring on the corrections (like
>>the signature line somewhere here says) "If its not fun we'll fix it so it
>>is!"
>>
>>Thanks to all... I know there were stations calling over and over at the end
>>but I just couldn't hear them
>>
>>72
>>Dave WD7Z
>>
>>
>>N9NE 2:01 559 WI TODD 5W
>>W0CH 2:01 559 MO DAVE 5W
>>N0UR 2:02 559 MN JIM 5W
>>N4ROA 2:02 559 VA DAN 5W
>>W0UFO 2:04 559 MN MERT 5W
>>N3BJ 2:05 559 VA ALAN 5W
>>WA9TZE 2:05 599 WI JIM 5W
>>WD9F 2:06 559 IL WOODY5W
>>KR5C 2:07 599 TX GEORGE 5W
>>N4BP 2:07 559 FL BOB 5W
>>NK6A 2:09 559 CA DON 5W
>>W9XU 2:09 559 WI LON 5W
>>AA50 2:10 559 LA VERN 5W
>>K5ZTY 2:10 559 TX BILL 5W
>>AC7A 2:11 559 AZ TOM 5W

>>K2ZN	2:11	559	NY	AL	5W		
>>W9XT	2:12	559	WI	GARY	5W		
>>K5AIC	2:13	559	MS	HERB	5W		
>>K3ESE	2:14	559	MD	LLOYD	5W		
>>AG0T	2:15	559	ND	TODD	4W		
>>KG6CYN	2:15	559	CA	TREV	5W		
>>K0EVZ	2:16	579	ND	DOC	5W		
>>KJ6CA	2:17	559	CA	BOB	5W		
>>K5FSE	2:18	599	GA	JACK	5W		
>>K8CV	2:18	559	MI	WALT	5W		
>>K0UU	2:19	559	MN	JEFF	5W		
>>K3IU		2:20	599	RI	KEN	5W	
>>WE9K	2:21	559	WI	GLENN	5W		
>>VE6JAZ		2:22	559	AB	RON	5W	
>>VE4WI	2:23	559	MB	CRAIG	5W		
>>K3PH	2:24	559	PA	BOB	5W		
>>KU7Y	2:24	599	AZ	RON	5W		
>>AB5XQ	2:25	559	AR	BILL	5W		
>>K9DC	2:25	559	IN	DAVE	5W		
>>K0PC	2:26	559	MN	PAT	5W		
>>VE6EX	2:27	559	AB	DAN	5W		
>>N3AO	2:28	559	PA	CARTER	5W		
>>K6MMC	2:29	559	CA	MIKE	5W		
>>VA6RF	2:29	559	AB	EARL	5W		
>>K8HJ	2:31	559	MI	JOHN	5W		
>>K4FB	2:32	559	FL	PAUL	5W		
>>WS4S	2:32	559	TN	CONRAD	5W		
>>N1FN	2:33	559	CO	ET	5W		
>>W9UQB/7	2:33	559	AZ	MIKE	5W		
>>VA3JFF	2:34	559	ON	JEFF	5W		
>>N3XRV	2:35	559	PA	CHRIS	5W		
>>AB9CA	2:36	559	AL	DAVE	5W		
>>W8YMO	2:36	559	OH	HARRY	5W		
>>K2PQ	2:37	589	NJ	FRANK	5W		
>>K5QK	2:38	559	LA	DON	5W		
>>NK9G	2:38	559	WI	RICK	5W		
>>K4GT	2:39	559	GA	JIM	5W		
>>WA8BXN	2:40	559	OH	MIKE	5W		
>>AF4LQ	2:41	559	KY	MIKE	?		
>>KK5LD	2:41	559	TX	DAN	5W		
>>N1TP	2:42	559	FL	TOM	5W		
>>AJ4AY	2:43	579	AL	JAY	5W		
>>K7TQ	2:43	559	ID	RANDY	5W		
>>KB7WW	2:44	559	OR	ART	5W		
>>W3CD	2:44	559	CA	BOB	5W		
>>N9AW	2:45	559	WI	JERRY	5W		
>>W2AGN	2:46	579	NJ	JOHN	5W		
>>K40AH	2:47	559	GA	GAR	5W		

>>KC2CK	2:47	559	NY	DON	5W		
>>VE3FAL		2:48	559	ON	FRED	5W	
>>N2WW	2:49	559	CO	LARRY	5W		
>>WA9PWP		2:49	559	WI	PAUL	5W	
>>K5TR	2:50	559	TX	GEO	5W		
>>K5DW	2:51	559	TX	DON	5W		
>>N0TK	2:51	559	CO	DAN	5W		
>>KI0II			2:54	559	CO	RON	1W
>>W0RSP	2:54	559	SD	ADE	4W		
>>N0HRL	2:55	559	MN	KEN	5W		
>>K4ADI	2:56	559	SC	FRANK	5W		
>>KC1FB	2:57	559	CT	JIM	500mW		
>>K0FRP	2:58	579	MO	AL	5W		
>>KI0RB	2:58	559	CO	VINCE	5W		
>>WB6BWZ		3:00	559	GA	MATT	5W	
>>K4BYF	3:01	559	FL	JACK	3W		
>>K9IUA	3:02	339	IA	KEVIN	5W		
>>NV4V	3:02	559	KY	PETE	5W		
>>K2Q0	3:03	559	NY	MARK	5W		
>>W3DCG	3:03	559	GA	DARIN	5W		
>>W2RBA	3:05	589	NY	JOE	5W		
>>N5ZE	3:06	559	TX	LEW	5W		
>>N07T	3:09	559	WA	GARY	?		
>>N3ZPQ	3:13	559	OH	FRANK	4W		
>>VA3RJ	3:14	559	ON	DAVE	5W		
>>WV9N	3:15	559	OH	RANDY	5W		
>>N0WX	3:16	599	MN	MIKE	5W		
>>K2TVY	3:17	579	NNJ	FRANK	1W		
>>AC5JH	3:19	559	OK	TOM	5W		
>>KC9LC	3:19	559	VA	RANDY	5W		
>>N0DSP	3:20	559	CO	TOM	5W		
>>W0PWE	3:20	559	IA	JERRY	5W		
>>N0TU	3:22	559	CO	STEVE	500mW		
>>N07X	3:23	559	AZ	FLOYD	5W		
>>KB9YIG		3:24	579	IN	TONY	500mW	
>>N5IB			3:28	559	LA	JIM	5W
>>N04D	3:33	559	SC	KEN	5W		
>>K50T	3:36	559	WI	LARRY	3W		
>>K5SR	3:36	559	TX	ALEX	?		
>>KR0U	3:37	589	CO	TIM	5W		
>>AA7EQ	3:39	559	AZ	BOB	5W		
>>K5PSH	3:40	559	TX	JERRY	5W		
>>VE5RC	3:41	229	SK	BRUCE	5W		
>>N9WW	3:45	559	IL	JIM	5W		
>>KN5TX	3:46	559	TX	GEORGE	5W		
>>W5USJ	3:48	559	TX	CHUCK	5W		
>>W4NJK	3:49	559	CA	CHARLES	5W		
>>WB8WTU		3:51	559	OH	DENNIS	5W	

>>NK0E 3:52 559 CO DAVE 5W
>>AE0CW 3:55 559 CO JESS? 2W
>>N5WL 3:58 559 OK BILL ?
>>N0RC 3:59 559 CO ROD 5W
>>WD7Z
>>W8RU
>

Date: Fri, 13 Dec 2002 17:25:33 -0700
From: Dave Fuller <rfgdma@spinn.net>
To: qrp-l@lehigh.edu
Subject: [142125] FW: Do we know how many Hounds are in the pack?
Message-ID: <5.1.1.5.2.20021213172422.02468b60@mail.spinn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>I have been adding to the list of hounds that was sent to me last month
>and I have 842 calls on
>it. I don't know if these are all still active.

>
>If anybody wants it I also have a master file of these calls made up for
>writelog.

>
>-Dave
>WD7Z

>
>-----Original Message-----
>From: Lloyd Lachow [mailto:llachow@yahoo.com]
>Sent: Friday, December 13, 2002 8:24 AM
>To: Low Power Amateur Radio Discussion
>Subject: FOX: Do we know how many Hounds are in the pack?

>
>
> I was wondering if we have an easy way of
>determining how many different calls show up in the logs?

>
>-----
>Do you Yahoo!?
>Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
><http://mailplus.yahoo.com>

Date: Fri, 13 Dec 2002 16:27:58 -0800
From: "Andreas Hofmann" <andreash@microsoft.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142126] RE: FOX: Do we know how many Hounds are in the pack?
Message-ID: <935F630FDD8A7F4CB1A0412C7CA4371403AE1233@RED-MSG-10.redmond.corp.microsoft.com>
Content-Class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: quoted-printable

Is there a good website that explains what that fox stuff is all about
(and what QRGs etc.)? =20

I am curious after reading all these messages and wondering whether I
could do some hunting too....

73, Andreas, KU7T
K2 #2555

-----Original Message-----

From: Doc K0EVZ [mailto:dock0evz@earthlink.net]=20
Sent: Thursday, December 12, 2002 11:00 PM
To: Low Power Amateur Radio Discussion
Subject: RE: FOX: Do we know how many Hounds are in the pack?

Lloyd:

"...the SHADOW knows...."

73,
--Doc/K0EVZ

> [Original Message]
> From: Lloyd Lachow <llachow@yahoo.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: 12/13/2002 9:23:33 AM
> Subject: FOX: Do we know how many Hounds are in the pack?
>
> I was wondering if we have an easy way of
> determining how many different calls show up in the logs?
>=20

> -----
> Do you Yahoo!?
> Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
> <http://mailplus.yahoo.com>

Date: Fri, 13 Dec 2002 18:27:12 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "N1EU" <n1eu@yahoo.com>, <qrp-1@lehigh.edu>
Subject: [142127] Toggle swtiches for TR switching on receiver (or transmitter)
Message-ID: <00fc01c2a307\$8b82d120\$4e100a0a@rohredt2000>

Barry,
Back in the good ol' days of expensive switches, I went inside a number of toggle switches to see if they could be repaired, (and sometimes was successful).

Most have a very positive action, and there is NO CONTACT BOUNCE. They are spring loaded to achieve this.

You can switch your receiver with your mind at ease. They also, in the better quality toggle switches, have short enough paths to be low loss at HF and sometimes to VHF for RF. Kay Electric for years has sold a precision RF attenuator box with Toggle Switches for selections. I once tested one to tenths of dB accuracy in the lab at work.

72, Stuart K5KVH

Date: Fri, 13 Dec 2002 19:36:27 -0500
From: Michael Byrd <m.byrd10@verizon.net>
To: qrp-1@lehigh.edu
Subject: [142128] QRP on 40 meters.
Message-ID: <3DFA7D0C.3B089F39@verizon.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Good Day Gentlemen,

Last Sunday I narrowed my quest down to one remaining QSO for WAC on 40 with QRP. I need Oceania for the last contact. I missed several VK's and YB1A for the last continent.

So close, but I am sure I will make it before the winter is over. After the CQ WW CW contest,

I realized I only needed Asia and Oceania for WAC. So I have been up early every morning to

find those QSO's. The operators on 40 meters in the morning are a vicious group and you have

to be quick. It was great that everyone on frequency was quiet while I worked JA1NUT.

I just looked through my log and I now have 28 countries on 40 meters. I even worked a few

new ones for me on any band. I had no idea 40 could be worked with QRP like that.

Great fun

so far. This whole week the signal levels have been low and we have had lots of rain, so nothing

new. The weekend looks better, no rain and less noise on band.

I have been looking into a better antenna than the Cushcraft R8. It is a compromise aerial at best,

but it does work. After I move I will try phasing several delta loops or at least something that has

a little gain.

Speaking of YB1A, he was my reason for upgrading. I heard him on 7008 with an S9+ signal

via greyline. We were both in the prime zone and he was the loudest signal on 40. He called

CQ quite a few times and worked 2 or 3 stations. I have monitored for him since that time and

most of the time he is workable. I have called him many times, but it is not surprising he didn't

hear me. Conditions have to be above normal just to be heard, so I will keep trying. Greyline here

is pretty good for 20 to 40 minutes right now, but it is still a fight to be heard. Mostly it is

just

luck when you call and no one is covering you up.

I spent some time around 7040 looking for other QRP ops. It has been great to work so many.

7040 gets pretty bad in the early evening with QRM. If I hear some one call QRP I

will answer.

Got to go now, I will try the ARRL 10 meter contest this weekend. I sure miss my yagi for 10,
but the vertical will get me a few contacts anyway.

Mike, AC4UR (hoping for WAC 40 QRP)

Date: Fri, 13 Dec 2002 16:52:44 -0800 (PST)
From: Tom Popovic <ki3r@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [142129] CW instruction help
Message-ID: <20021214005244.40719.qmail@web11207.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello all:

I have been in charge of our club's yearly no-code tech course. The results have been quite nice as several dozen people have gotten on the air through our help. The draw back is the CW instruction as one night a week is not conducive for learning even at 5 WPM. The result is that we have a lot of techs even amongst the "old tymers" who really would like to get on HF but for a myriad of reasons (some genuine some not) can't get motivated to practice.

Enter our last class ... several young people and an XYL who passed the 5 WPM. This has spurred on the idea of offering some sort of CW instruction via our club repeater. Now the question is has anyone done this with any degree of success. What length of time, repeat laccompanyingompaning text, format, anything !! that would get people off their duffs in a concerted effort as a group. I DON'T want to hear anything negative as I have essentially heard it all from both the no-code guys and the CW ists. Would a fee of \$10 or \$20 bucks refundable on a successfeasibles be fesible?

I am open to any and all positive ideas from the group and will be glad to share the same if this thing flies.

God Bless and Seasons Best

Tom Popovic KI3R
Amateurissen Amature Radio Club
W3CSL

=====

The common good was the claim and justification of every
tyranny ever established over men. Every major horror of
history was committed in the name of altruistic motive...
Actors change, but the course of the tragedy remains the
same. Ayn Rand 1943

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<http://mailplus.yahoo.com>

Date: Fri, 13 Dec 2002 17:56:35 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: llachow@yahoo.com, qRP-L@lehigh.edu
Subject: [142130] Re: FOX: Do we know how many Hounds are in the pack?
Message-ID: <3DFA1F53.24873.151117B@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

>> I was wondering if we have an easy way of
determining how many different calls show up in the logs?
<<

Yes!

On the web site, the Fox results page <http://www.cqc.org/fox/foxres.htm> will
tell you the final number of QSO's were scored in each log. Subtract two for
the "automatic Fox qsos" and you have the total number of different calls in
that log.

At the bottom of the Hounds' results page-- <http://www.cqc.org/fox/houndres.htm>
you will find the total number of hounds and the total number of QSO's. So
from that you could even derive the average number of pelts that hounds have
earned.

Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382
--

Date: Fri, 13 Dec 2002 18:01:24 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mark Schoonover <schoon@amgt.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142131] RE: Results with no AGC and wide filter
Message-ID: <Pine.LNX.4.44.0212131759200.2418-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

My guess Mark would be the April issue of 1948...since I have heard
little about it except my recent (yesterday) use of it...:-)

On Fri, 13 Dec 2002, Mark Schoonover wrote:

> QST did a rather extensive article(s) on using RF gain, and other controls.
> Don't remember the issue offhand, but I found it very interesting.
>
> 72
>
> .mark
>
>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Fri, 13 Dec 2002 17:19:02 -0800
From: Wayne Burdick <n6kr@elecraft.com>

To: Elecraft <elecraft@mailman.qth.net>
Cc: qrp <qrp-1@lehigh.edu>, a.smrcka@juno.com,
david@kippax.demon.co.uk, g4apo@rhirst.fslife.co.uk,
Subject: [142132] How to put an Elecraft K2 on 60 meters
Message-ID: <3DFA86ED.235D63DB@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Our K60XV option (60 m + transverter I/O) isn't available yet, and neither is the 60-meter U.S. ham band. But K2 owners in the U.K., who already have limited privileges on this band, want 60 meters yesterday. MARS operation is also possible in this band, and WWV can be received at 5.000 MHz. So we thought we'd provide some instructions for those who want to experiment.

1. The 40 meter band-pass filter must be resonated on 60 meters:

Install a DPDT switch on the rear panel, close to the 40-m band-pass filter. The two switch commons should be wired to either side of C6, the top coupling cap in this filter. In the 60 m switch position, a 4.7 pF capacitor should be placed in parallel with C6. From either side of this capacitor to ground, you'll need a 50 pF trimmer and a 47 pF fixed cap, in parallel. The filter will be peaked later.

2. Two memories can be set up for easy 60m/40m access:

Turn on the K2 and switch to 40 meters. Select the 1-kHz-per-step VFO tuning rate and tune the VFO down from 40 m to the center of the 60 meter band (~5.3 MHz). Hit A=B to set both VFOs to this frequency, then STORE the setup in a frequency memory (I used #5 since this is 5 MHz). Then tune back up to 40 meters, hit A=B, and STORE this in another memory (#7 makes sense: 7 MHz). Now you can jump to either 60 or 40 meters using RCL.

3. The VCO requires additional capacitance:

Use RCL #5 to get back to 60 meters. The PLL will be out of lock because the 40-meter VCO capacitance is too small to allow the VCO to tune down to $5.3 + 4.9 = 10.2$ MHz. To get the PLL to lock, you'll have to parallel some 30-70 pF of extra capacitance across C71. Connect a voltmeter to R30, and find a value of C that results in a VCO voltage of 1.5-7.5 V over the desired 60 m segment. Then install a tiny SPST switch on the board which, when thrown to the 60 m position, puts this cap into the circuit. Use very short leads, and if desired, cut an access hole in the bottom cover. (Note: the K60XV will be supplied with two MV209 varactor diodes, D19 and D20, that will work in combination with the K2's new "D19" menu entry to change the VCO tuning range so that it covers both 40 and 60 meters with new VCO relay combinations. You don't need new firmware to use the fixed capacitance method described here. But if you have it, leave "D19" set to "N".)

4. With both the VCO and BPF switches in the 60 m position, align the BPF trimmers on 60 meters.

5. The K2's original 40-m low-pass filter and push-pull PA does a decent job of suppressing the 2nd harmonic on 60 meters, but if you want some extra margin, use the new 40m/60m elliptic low-pass filter components shown in the Revision D K2 manual. This filter is already present in K2s s/n 3000 and up.

You're now ready to use the K2 barefoot on 60 meters (up to 15 W). The KAT2 and KAT100 automatic antenna tuners will both work on this band, although the KAT2 f/w has to be at revision 1.06 or higher. Use the ATU menu entry to check the revision.

We don't recommend using the KPA100 (100-watt final stage) on 60 meters at this point. Since the KPA100 uses a 40/30 meter low-pass filter, the 2nd harmonic attenuation on 60 meters would be determined solely by the balance of the PA strip. Of course if you have a spectrum analyzer, you can try it and see whether the attenuation is adequate. (Note: The K60XV option will include parts for the KPA100 that will allow its 80 meter LPF to be used on 80 and 60 meters. The K2 will detect the presence of the K60XV and will send the appropriate band-select commands to the KPA100.)

That's all there is to it.

73,
Wayne
N6KR

Date: Fri, 13 Dec 2002 17:13:30 -0800 (PST)
From: Tom Popovic <ki3r@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [142133] CW oops..
Message-ID: <20021214011330.93863.qmail@web11204.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

That is ...

Monessen Amateur Club W3CSL

Can't even use a spell checker right ... 73 Tom KI3R

=====

The common good was the claim and justification of every tyranny ever established over men. Every major horror of history was committed in the name of altruistic motive...

Actors change, but the course of the tragedy remains the same. Ayn Rand 1943

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Date: Fri, 13 Dec 2002 18:22:55 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "James R. Duffey" <JamesDuffey@comcast.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142134] Re: Results with no AGC and wide filter
Message-ID: <Pine.LNX.4.44.0212131805080.2418-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jim, First get an FT-817 as soon as your wife allows. It's a FUN radio.

Yes with the rf gain cranked down and the af gain way up you get an interesting sound of what the band is doing. I could tell last night that the band noise was down compared to past Fox Hunts.

What you forget Jim is that I NEVER really heard Dave up there in Tijeres. I THOUGHT I might have heard his high speed cw once or twice but only because I was on Doc's spotted frequency. Dial differences and such can sink you so I opened up for 2.5 KHz to be sure I would not miss Dave's frequency.

I did work Ron with the wide receive filter and had no problem copying his cw even with a few other noises on the side. I like you proved the noise goes down with the square root of the bandwidth in college and you can prove it to a lesser degree by switching real filters in a radio. But the mathematical proof is much cleaner.

Alas the real filter doesn't have a perfect skirt in real life.

Now I hear a train hitting his horn while he gets his train parked so the barriers go up while the whole crew runs across Main Street to Dick's for dinner. I envy them. My wife is fixing the fish on friday dinner here and I'm getting ready to go to church. Better get ready now...

On Fri, 13 Dec 2002, James R. Duffey wrote:

> Karl - I can understand running the 817 with the AGC turned off, but why use
> the wide filter? Why not use the narrow filter? The noise decreases by the
> square root of the bandwidth, so the signal to noise ratio improves by the
> square root of the bandwidth. If you were trying to pull Dave out of the
> noise, I think that the narrow filter would be best. Now the ear can
> compensate for part of this by filtering in the brain, but not all of it. I
> always find CW easier to copy with a narrower filter.

>

> I usually turn the AGC off when receiving CW, even with a receiver that has
> good AGC. This is partially habit as my first receiver was a HQ-110A that
> had to be run this way, and partially because I think the receiver sounds
> better. The signals have more dynamic range and it is easy to tell weak
> signals from strong ones. But this is objective.

>

> My experience with using the FT - 817 on CW with the wide filter was rather
> unpleasant. There was a lot of bleed through from the other sideband and
> most signals on the band could be heard twice, although one sideband was
> more attenuated than the other. I concluded that operating CW on the FT-817
> would be painful without the optional filter. I don't own an FT-817, but I
> must admit that I have been tempted. More from the standpoint of a portable
> VHF station than for HF QRP use. Just my \$0.02 worth. - Dr. Megacycle
> KK6MC/5

>

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Fri, 13 Dec 2002 17:30:35 -0800
From: Wayne Burdick <n6kr@elecraft.com>
To: Elecraft <elecraft@mailman.qth.net>
Cc: qrp <qrp-1@lehigh.edu>, a.smrcka@juno.com,
david@kippax.demon.co.uk, g4apo@rhirst.fslife.co.uk,
Subject: [142135] How to put an Elecraft K2 on 60 meters--KAT2 correction
Message-ID: <3DFA89A2.CCBF3E78@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In my posting about putting the K2 on 60 meters, I said that the KAT2 would need revision 1.06 firmware. Actually, this is not necessary for use with the experimental 60 meter modification described. The KAT2 will only need rev 1.06 when the K60XV option becomes available. At that point there will be 10 bands

covered by the K2, and older KAT2 firmware only supports 9.

The KAT100 already supports 10 bands.

73,
Wayne
N6KR

<http://www.elecrafter.com>

Date: Fri, 13 Dec 2002 20:55:54 EST
From: n5ib@juno.com
To: qrp-1@lehigh.edu
Subject: [142136] Rock Mite current ?
Message-ID: <20021213.195156.7759.1.n5ib@juno.com>

About 15 of us here in Baton Rouge are gathering Sunday at the LSU observatory to build RockMites.

Can't seem to put my finger on one data point... what's the key down current required @ a nominal 12 V ? I'm wondering if my 350 mA solar panel and a 340T-12 regulator will suffice to power the rig without need for a battery.

72
Jim N5IB

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Date: Fri, 13 Dec 2002 20:20:29 -0600
From: "Don Foster" <k5kw@geotec.net>
To: <qrp-1@lehigh.edu>
Message-ID: <003401c2a317\$60329c20\$265158d8@21byq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've tried several times to post to the reflector using Outlook Express 6.0 without success. I just noticed that it was being formatted as HTML. I switched it to plain text for this one, to see if it makes it this time. Sorry for the bandwidth, just trying to come aboard.

72,

Don, K5KW

Date: Fri, 13 Dec 2002 19:22:37 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: <n5ib@juno.com>, "qrp-1" <qrp-1@lehigh.edu>
Subject: [142138] Re: Rock Mite current ?
Message-ID: <000f01c2a317\$ac3f9aa0\$6501a8c0@BIGDOG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Jim,

I measured ~200ma on mine long ago--see <http://www.frii.com/~rwc/r-m/>

*** Happy Holiday ***
73, Rod N0RC

----- Original Message -----

From: <n5ib@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 13, 2002 6:55 PM
Subject: Rock Mite current ?

> About 15 of us here in Baton Rouge are gathering Sunday at the LSU
> observatory to build RockMites.
>
> Can't seem to put my finger on one data point... what's the key down
> current required @ a nominal 12 V ? I'm wondering if my 350 mA solar
>

Date: Fri, 13 Dec 2002 19:28:05 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: <k5kw@geotec.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142139] Re:
Message-ID: <001901c2a318\$6f9da460\$6501a8c0@BIGDOG>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Welcome aboard.

*** Happy Holidays ***
73, Rod N0RC

----- Original Message -----
From: "Don Foster" <k5kw@geotec.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, December 13, 2002 7:20 PM

> I've tried several times to post to the reflector using Outlook
Express 6.0
> without success. I just noticed that it was being formatted as HTML.
I
> switched it to plain text for this one, to see if it makes it this
time.
> Sorry for the bandwidth, just trying to come aboard.
>
> 72,
>
> Don, K5KW
>
>
>

Date: Fri, 13 Dec 2002 20:31:21 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>
Subject: [142140] Fox - Winter Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0212132022300.12267-100000@neale.gpfn.sk.ca>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #7 - N1FN -

Burbank Wrecking Crew - 26

Michael - K6MMC
Todd - AG0T
Don - KC2CK *
Woody - WD9F *
Trev - KG6CYN *

Cheeseheads - 32

Jerry - N9AW *
Jim - WA9TZE * Clean
Lon - W9XU * Sweep
Rick - NK9G *
Glenn - WE9K *

NE-TX TORNADOS - 32

Chuck - W5USJ *
Bill - K5JHP
Don - K5DW
Doc - W5TB *
George - W5YR *

p-Shooters - 15

Chuck - K7Q0
Gary - NQ7T
Jim - KC1FB *
Wayne - W5KDJ *
Tony - KB9YIG *

Raiders of the Lost RF - 29

Dan - VE6EX *
Earl - VA6RF *
Fred - VE3FAL *
Robert - VE6JAZ
Bruce - VE5RC

Swamp Rats - 31

Larry - N2WW *
ET - N1FN * Clean
Paul - K4FB * Sweep
Doc - K0EVZ *
Tom - N1TP *

K1 K9s - 23

Lloyd - K3ESE *
John - K8HJ *
Ralph - KD1R
Joe - W2RBA
Alan - N3BJ *

Cajun Thunder - 26

Wayne - K5E0A *
Jim - N5IB * Clean
Vern - AA50 * Sweep
Wayne - N5YFC *
Tom - AC5JH *

Great Lakers - 25

Mark - K2Q0 *
Tom - KV2X *
Al - K2ZN *
Bill - K2TER *
Jeff - VA3JFF

Underdogs - 31

Dan - N4R0A *
Dave - W0CH *
Ron - KI0II *
Randy - K7TQ
Art - KB7WW

Aluminum Kings - 21

Bob - N4BP *
Jim - N0UR
Al - K0FRP *
Pat - K0PC
Wayne - N9NE *

Dust Devils - 20

George - KR5C *
Martin - N6LIF
Eric - NM5M
Dale - K5SR
Lew - N5ZE *

Loco-motives - 20

Frank - K2PQ *
Jack - K5FSE *
Jason - N8XE *
Mike - VA6MJT
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Fri, 13 Dec 2002 19:30:56 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [142141] Re: Results with no AGC and wide filter
Message-ID: <20021213.193104.-437033.14.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

tijeres? Tijeras

Date: Fri, 13 Dec 2002 20:35:28 -0600

From: "Pat Whelton" <pwhelton@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142142] Re:
Message-ID: <001201c2a319\$780e2ce0\$9045ce18@Earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Don. I just had to reinstall Outlook so I'll take advantage of your note to see if I configured to plain text properly for my notes.

Pat

----- Original Message -----

From: Don Foster <k5kw@geotec.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, December 13, 2002 8:20 PM

> I've tried several times to post to the reflector using Outlook Express
6.0
> without success. I just noticed that it was being formatted as HTML. I
> switched it to plain text for this one, to see if it makes it this time.
> Sorry for the bandwidth, just trying to come aboard.
>
> 72,
>
> Don, K5KW
>
>

Date: Fri, 13 Dec 2002 19:41:07 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: qrp-1@lehigh.edu
Subject: [142143] Integrated Noise and Filter Width
Message-ID: <BA1FE852.21E3B%JamesDuffey@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Bart, WB6HQK, pointed out an error I made in my recent post:

The noise voltage is proportional to the square root of the bandwidth, assuming additive white gaussian noise. The noise power is then proportional to the bandwidth. The signal to noise ratio is generally

taken as the ratio of the signal power to the noise power, and often expressed in decibels. Therefore, the signal to noise ratio is inversely proportional to the bandwidth, not the square root of the bandwidth, assuming all of the signal power is contained within the bandwidth being considered.

Bart is correct. I apologise for the error. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Fri, 13 Dec 2002 18:57:24 -0800
From: "Dave Martin" <k2zu@seanet.com>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [142144] Re: OHR500
Message-ID: <000301c2a31c\$88630e00\$bfa32640@davemartin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I too am interested in the OHR 500 and am wondering if anyone has done a variable bandwidth mod to the IF crystal filter? 73
Dave K2ZU

Date: Fri, 13 Dec 2002 20:09:31 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: qrp-l@lehigh.edu
Subject: [142145] Copiable CW Signals
Message-ID: <BA1FEEFB.21E41%JamesDuffey@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Some of the recent discussion on RST, S meters, and signal reports made me think that some on the list might not know what kind of signal strengths are usable on CW.

Most CW operators with modest experience can copy a signal whose signal strength is just equal to the noise with little difficulty. The human brain is a pretty good signal processor. Good CW ops can copy signals that are

several dB below the noise. This is pretty remarkable. A signal that is 10 dB above the noise is quite comfortable copy.

You can verify these levels yourself with an oscilloscope or computer oscilloscope program connected to your radio's audio output. Turn off the AGC if you can. AGC tends to compress the signal to noise ratio.

So a dB means a lot more when the signal is close to the noise floor than when the signal is 599. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Fri, 13 Dec 2002 22:18:37 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [142146] Re: Rock Mite current
Message-ID: <BAY1-F97F9rVZ9u4Lsn00012303@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, Jim.

Glad you asked that question...been meaning to make these measurements for a while.

Grabbed the Fluke 8060A and OHR WM-2 and went out to the mobile just now.

Say, we're icing up out there again...

Fired up the stock RM-20 into the Hustler on 14059.5 Kcs...

Key-down:

Battery voltage = 12.587.

Battery current = 190 mA.

Power out = 250 mW.

Key-up:

Battery voltage = 12.575

Battery current = 40 mA. (no received signals nor noise to speak of)

Power out = 0 :)

YMMV

The battery voltage, as seen from the above data, actually INCREASED slightly upon key-down...those 190 mils must have been warming the cells ever-so-slightly...'course, my Fluke *may* have been influenced by all that rf...

73.

Bill, N4QA

Protect your PC - get McAfee.com VirusScan Online
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

Date: Fri, 13 Dec 2002 22:43:43 -0500
From: "vze4jt6u" <vze4jt6u@verizon.net>
To: <qrp-l@lehigh.edu>
Subject: [142147] Fw: OHR500
Message-ID: <000501c2a323\$00007cd0\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

I too have an OHR-500 that I purchased assembled. The rig does have some great attributes, particularly the quiet receiver. However, its transmitter does have some instability issues. When trying to tune my antenna system (doublet and Z-match ATU) using the OHR-500, I have to do so at a very low power output from the OHR-500. The transmitter apparently is unstable when operated into a poor match. I have to thank another QRP-L member for mentioning this situation and how to deal with it. Apparently mine is not the only OHR-500 that exhibits this effect. I reckon that I could also successfully tune the antenna system using a noise bridge.

I fully intend to keep and use the OHR-500; I think it'll really come into its own as the sunspot count declines. It's true that there hasn't been much mention of the rig on QRP-L and it would be great to see some additional discussion of the OHR-500 here!

72/73

Cal K4JSI

Date: Fri, 13 Dec 2002 22:47:26 -0500
From: N0tk@aol.com
To: qrp-l@lehigh.edu
Subject: [142148] AOL 8.0 Postings
Message-ID: <78F661C9.3DD5A27F.00002D75@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

With help from Rod, K5BGB, the following is a way to allow posting to the QRP-L reflector from AOL 8.0

Select Keyword, done by holding down the control key while typing a K. When the keyword window appears, type "aol mail" and click on the GO button. On the next page displayed, go to AOL Mail on the web and click on the hypertext link "Get your AOL e-mail" . On the next page displayed, scroll to the bottom and click on the "Read my AOL Mail now" button. The next page will ask for screen name and password. Type these in and click on "Enter AOL Mail". On the next page displayed click on "Write Mail". The normal mail window will appear and when you type in the subject line and the message text window, the text is ASCII text which is recognized as acceptable by the QRP-L reflector.

Good luck in your postings.

Dan N0TK

Highlands Ranch, CO

Date: Fri, 13 Dec 2002 20:22:59 -0800
From: "William Phinizy" <k6whp@verizon.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [142149] OT: MFJ-1275M and IC-706MIIg Hookup
Message-ID: <000e01c2a328\$7d089910\$e564e043@k6whp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

In the process of dusting off some stuff on the bottom shelf of the shack, I wanted to try some PSK-31 with my IC-706MIIg and an MFJ-1275M. After following the hookup procedure in the manual, I met with no success. I used the foillowing settings:

HD1 7
HD2 5
HD3 1, 2, 3, 5, 7, 8
HD4 6
HD5 4
HD6 4
HD7 6

I wonder if anyone else has gone down this road successfully or otherwise. All advice gratefully accepted and my sincere thanks in advance. If you feel that this is sufficiently OT, then a direct response is encouraged.

72,

Bill, k6whp

Date: Fri, 13 Dec 2002 21:02:35 -0800
From: "Ward Silver" <hwardsil@centurytel.net>
To: <qrp-l@lehigh.edu>
Subject: [142150] FS: Ten-Tec Argosy 525 Analog
Message-ID: <016001c2a32e\$044c7d60\$7ca9fea9@MRKNOWITALL>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I listed this on eham.net (<http://www.eham.net/classifieds/detail/70287>) and thought you guys might like to know about it. There's a photo on eham.

Here's the eham text:

It is finally time for me to part with my trusty Ten-Tec Argosy 525 (analog dial). The Argosy covers 80-10, including 30-meters, but not 17 or 12-meters. Outputs CW/SSB with 5-watt or 50-watt peak output. The rig is complete with 500 Hz CW filter and noise blanker options. A heavy-duty linear power supply in a nice cabinet is included. The rig comes with the complete manual and the Ten-Tec tuning tools. It has the following minor modifications: a changed AGC loop capacitor for better attack characteristics, mixer diodes changed to HP PIN diodes for better sensitivity. The elastic dial cord stopped being elastic, so I replaced it - the dial is smooth as silk. Cosmetically, the front panel is 9.5 out of 10 and the top cover has some minor scuffs. The price for the rig and power supply is \$275 plus shipping. If you only want the rig, it can be had for \$225 plus shipping.

As you know, this is an excellent little radio and it's time to find a better home for it than unused in a cabinet. (I feel like King Leopold of the Island of Misfit Toys...) It was my first "brand new" radio back in 1981!

73, Ward N0AX

Date: Fri, 13 Dec 2002 21:03:38 -0500
From: "Walter Amos" <waltk8cvamosqrp@earthlink.net>
To: <k6whp@verizon.net>
Subject: [142151] Re: OHR500
Message-ID: <000701c2a331\$88735520\$6959f4d1@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Well I still have my 500 and the keyer SUCKS !! Even Dick admitted it won't go over 20 wpm and it DOESN'T !

15 meter is under 3 watts , way under !

It needs an antenna tuner or you hear all kinds of BCI on a large outside antenna. Sent it back to Dick and he said " that's just the way it is " !

But I like and use it, but it sure is NO ELECRAFT by a long shot !

It was designed by Doug Demaw originally when he owned OHR .

Walt

Date: Fri, 13 Dec 2002 21:46:36 -0800
From: Mark Schoonover <schoon@amgt.com>
To: "'Karl F. Larsen'" <k5di@zianet.com>,
 Mark Schoonover <schoon@amgt.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142152] RE: Results with no AGC and wide filter
Message-ID: <BF889CEBEFD2D511B993009027F60ABE251B69@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

No, it was in the last couple of years... I probably still have it, I'll dig it out.

.mark

-----Original Message-----
From: Karl F. Larsen [mailto:k5di@zianet.com]
Sent: Friday, December 13, 2002 5:01 PM
To: Mark Schoonover

Cc: Low Power Amateur Radio Discussion
Subject: RE: Results with no AGC and wide filter

My guess Mark would be the April issue of 1948...since I have heard little about it except my recient (yesterday) use of it...:-)

On Fri, 13 Dec 2002, Mark Schoonover wrote:

> QST did a rather extensive article(s) on using RF gain, and other
controls.
> Don't remember the issue offhand, but I found it very interesting.
>
> 72
>
> .mark
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Fri, 13 Dec 2002 22:43:41 -0700
From: "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>
To: <qrp-1@lehigh.edu>
Subject: [142153] Re: Copiable CW Signals
Message-ID: <00ff01c2a334\$80b297d0\$023d1dac@waynecomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is so true. If the noise floor is fairly low, I can copy S1 or S2 signals quite easily. If there is essentially no static, I can copy signals which don't move the S-meter at all. We don't need QRO signals that are 10 or 20 over S9 using up previous ham bandwidth.

Yeah QRP!!

Wayne
KL7FDQ

Busby, Montana

> Some of the recent discussion on RST, S meters, and signal reports made me
> think that some on the list might not know what kind of signal strengths
are
> usable on CW.
>
> Most CW operators with modest experience can copy a signal whose signal
> strength is just equal to the noise with little difficulty. The human
brain
> is a pretty good signal processor. Good CW ops can copy signals that are
> several dB below the noise. This is pretty remarkable. A signal that is 10
> dB above the noise is quite comfortable copy.
>
> You can verify these levels yourself with an oscilloscope or computer
> oscilloscope program connected to your radio's audio output. Turn off the
> AGC if you can. AGC tends to compress the signal to noise ratio.
>
> So a dB means a lot more when the signal is close to the noise floor than
> when the signal is 599. - Dr. Megacycle KK6MC/5
> --
> James R. Duffey KK6MC/5
> Cedar Crest, NM DM65
>
>

Date: Fri, 13 Dec 2002 23:39:27 -0700
From: <tlogan7@cox.net>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [142154] person who sent me OHR500 info - I lost your email!
Message-ID: <00e001c2a33b\$8c8ddae0\$1b836344@ph.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi folks -

One kind person sent me some excellent notes about his experience with
replacing the power cord, some voltage drops, and a solution with changed
diodes (I think that was it) on his OHR 500 (or 400). It was very good info
and I seemed to have trashed the email!!!!!! Rats!! If you are out there
and read this could you send the email again? Many thanks.

73/Tim NZ&C

Date: Sat, 14 Dec 2002 05:38:07 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: N0tk@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142155] Re: AOL 8.0 Postings
Message-ID: <Pine.LNX.4.44.0212140532140.1268-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, I think I read somewhere that you can use any e-mail client with aol now. I know your using windows so why don't you try using the Microsoft e-mail client? In setup for that software you can set it to send only ascii text and your all done.

On Fri, 13 Dec 2002 N0tk@aol.com wrote:

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sat, 14 Dec 2002 06:54:34 -0600
From: "w5tb" <w5tb@arrl.net>
To: <jcasey@notes.cc.sunysb.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142156] Re: Presentation on Stealth Antennas?
Message-ID: <003d01c2a36f\$f43e0dc0\$0300a8c0@altn1.tx.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Jeff -- here are some sources to get you started:

<http://www.ac6v.com/antprojects.htm#STANT>

<http://www.uga.edu/~barc/ccindex.html>

Another thing I would emphasize is that going QRP will let you operate =

out of the apartment for a pleasant weekend of camping or an afternoon =
in the park with full size antennas.

72, 73, oo T.E. 'Doc' Drake, W5TB
Arlington, Texas
FISTS # 5365 QRP-ARCI # 3532 ARRL Life Member K1 #181 K2#1617

Date: Sat, 14 Dec 2002 08:13:01 EST
From: IamSF5@aol.com
To: QRP-L@lehigh.edu
Subject: [142157] CW FILTER FOR SALE
Message-ID: <51.28abce96.2b2c885d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,
I have a 300hz CW filter for sale.
The filter fits the following rigs
FT-107
FT-707
FT-901 DM
FT-902 DM
FT -101-ZD
FT-980
FT-77
And the FT-1
Never used and in original box with documentation.
Price is \$40 + \$3.50 for 1st class priority mail
Bob
AF2Q

Date: Sat, 14 Dec 2002 08:21:33 -0500
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [142158] FS/FT: Drake 2B and 2BQ
Message-ID: <F153ma0osA91E9GQvnb0000011c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

For Sale: Drake 2B RX and 2BQ Q Multiplier/Speaker. Recently picked up
another RX that makes this surplus for my vintage QRP station. Recently
re-tubed and works fine. In good condition, all original knobs, both front
panels very good - lettering in excellent shape. Cabinets have a few minor

scratches, but no dents or dings. Some corrosion on chassis, but not excessive, typical for these units. Pictures on request. Excellent copies of both manuals included. Picked the RX up on this list, offering it here first. \$225 shipped in US or trade for QRP transceiver =/- cash. What do you have that is surplus ?

Alan, N3BJ
Bent Mountain, VA

Tired of spam? Get advanced junk mail protection with MSN 8.
<http://join.msn.com/?page=features/junkmail>

Date: Sat, 14 Dec 2002 06:38:30 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: "qrp-l" <qrp-l@lehigh.edu>, "cqc-l" <CQCLIST@yahoogroups.com>
Subject: [142159] SKN/RMN
Message-ID: <00e201c2a376\$173f2d80\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Straight Key Night is just around the corner see:

<http://www.arrl.org/contests/announcements/skn.html>

Let's spice it up with a QRP related piggyback activity, Rock Might Night, RMN.

RKN has one simple rule, get on the air during SKN and make at least one QSO, using your Rock-Mite with a Straight-Key. How hard is that. ;-)

Don't have a Rock-Mite, no problem, "run what you brung". Those with out Rock-Mites, use what you got, and work as many Rock-Mites as you wish. For each QSO record your rig, and the rig of the other OP. When it is all over, post your results to QRP-L with brags & soap box comments about you activities.

Are you in?

Happy Holidays
73, Rod N0RC

Date: Sat, 14 Dec 2002 08:56:05 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [142160] Good sigs out of VE7 & W7 on 80 here in southwest VA last night...
Message-ID: <BAY1-F189jJYFmBfizT00012c95@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Well, as y'all might've guessed by now, my current favorite rig is the Small Wonder Labs DSW-40...tuned to 80 meters with DSWTUN95 although, Dave's Rock-Mite-20 in the mobile is a VERY close second.
Was listening on 3560 last night and heard some fellows trying to carry-on a net in the US northwest / Canadian southwest region.
Apparently, skip was so long that the gentlemen were having difficulty establishing communications among themselves. I offered to relay but my 3 watts to the NVIS wire just couldn't be heard out there.
So far this season, my best DX using the above combo is Belle Plaine, MN... Carl, WB0CFF...858 miles as the crow flies. This antenna does consistently 'pretty well' for contacts within the eastern half of North America. Guess I need something a little higher than fifteen feet for making contacts farther out...

73.
Bill, N4QA
<http://www.qsl.net/n4qa/>

Protect your PC - get McAfee.com VirusScan Online
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

Date: Sat, 14 Dec 2002 09:03:52 -0800
From: "Dave Benson" <nn1g@earthlink.net>

To: <rod@n0rc.us>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142161] Re: SKN/RMN
Message-ID: <000c01c2a392\$c8a98220\$f7ba3a41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rod-

>>.....RKN has one simple rule, get on the air during SKN and make at least one
QS0, using your Rock-Mite with a Straight-Key. How hard is that. ;-)
<<

The only hard part will be in rounding up a straight key. Sounds like a blast- see you on 20M!

Maybe we need the 'Firefist' keyer from an April issue of QST a few years back. I think it had a mode that'd let you send unintelligible CW for that authentic straight-key sound. <g> Perhaps I should offer a RockMite keyer option with randomized element timing.

73- Dave, K1SWL

Date: Sat, 14 Dec 2002 07:24:54 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142162] Re: SKN/RMN
Message-ID: <002101c2a37c\$92db6840\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Does anybody (everybody) have a plan to build a simple straight key? ;-)

I was hoping somebody might bring this up (thanks Dave). Show us what you got, tell us how to build it...there is still plenty of time. Heck we will make this a sub-activity of SKN/RMN. Build it, post it, send me a picture for inclusion in the Rock-Mite files.

(Remember, if it is ugly enough it might qualify as a modern art object
;-)

Happy Holidays

73, Rod N0RC ...tuning up the old J-47...

the "Rock-Mite" files

<http://www.qsl.net/n0rc/rm/>

<http://www.radioactivehams.com/~n0rc/rm/> (redirects to qsl.net)

----- Original Message -----

From: "Dave Benson" <nn1g@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, December 14, 2002 10:03 AM

Subject: Re: SKN/RMN

...

> The only hard part will be in rounding up a straight key. Sounds like
a

> blast- see you on 20M!

>

...

Date: Sat, 14 Dec 2002 09:30:10 -0500

From: W2AGN <w2agn@w2agn.net>

To: rod@n0rc.us, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [142163] Re: SKN/RMN

Message-ID: <3DFAFA22.2581.43A058E@localhost>

MIME-version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Content-description: Mail message body

On 14 Dec 2002 at 7:24, Rod N0RC wrote:

> Does anybody (everybody) have a plan to build a simple straight key? ;-)
>

> I was hoping somebody might bring this up (thanks Dave). Show us what
> you got, tell us how to build it...there is still plenty of time. Heck
> we will make this a sub-activity of SKN/RMN. Build it, post it, send me
> a picture for inclusion in the Rock-Mite files.

>

> (Remember, if it is ugly enough it might qualify as a modern art object
> ;-)

>

I had planned on firing up the old BA rigs for SKN, but I will set aside some time to run the Rockmites also. Sounds like fun. I have a new miniature straight key that should be just the thing.

+-----+ John L. Sielke
|W||2||A||G||N| http://www.w2agn.net [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Sat, 14 Dec 2002 09:40:32 -0500
From: wkhibbert@juno.com
To: rod@n0rc.us, qrp-l@lehigh.edu
Subject: [142164] Re: SKN/RMN
Message-ID: <20021214.094033.-348583.1.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

G3YCC had a key made from door handle hardware on his site. I might have that info here still. Now if I can only remember what i filed it under...

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Sat, 14 Dec 2002 09:45:24 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [142165] Re: SKN/RMN
Message-ID: <BAY1-F85ey8ciHWaG8n0000ef71@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Great idea, Rod!

Me and the Rockster mobile will be on 20 during daylight hours...maybe early evening too if 20 stays open.

Hey, anybody put a Rock-Mite on 80 yet?

Anyway, during nighttime, I'll be on 80 with...you-know-what :)

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

Help STOP SPAM with the new MSN 8 and get 2 months FREE*

<http://join.msn.com/?page=features/junkmail>

Date: Sat, 14 Dec 2002 08:47:01 -0600

From: Chuck Carpenter <w5usj@9plus.net>

To: qrp-l@lehigh.edu

Subject: [142166] Re: SKN/RMN

Message-ID: <3.0.2.32.20021214084701.0082bd80@mail.9plus.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Still got my old J-38 from 1955. It still works not so sure about me... [g]

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1

QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57

Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Sat, 14 Dec 2002 08:51:41 -0600

From: Chuck Carpenter <w5usj@9plus.net>

To: n4qa@hotmail.com,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [142167] Re: SKN/RMN

Message-ID: <3.0.2.32.20021214085141.0082e730@mail.9plus.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Yep, Bill, I've had one on 80. Made two Qs before the noise overwhelmed my ears... [g]

At 09:45 AM 12/14/2002 -0500, Bill, N4QA wrote:

>
>Great idea, Rod!
>Me and the Rockster mobile will be on 20 during daylight hours...maybe early
>evening too if 20 stays open.
>Hey, anybody put a Rock-Mite on 80 yet?
>Anyway, during nighttime, I'll be on 80 with...you-know-what :)
>
>
>73.
>Bill, N4QA
><http://www.qsl.net/n4qa/>
>
>
>
>
>-----
>Help STOP SPAM with the new MSN 8 and get 2 months FREE*
><http://join.msn.com/?page=features/junkmail>
>
>

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Sat, 14 Dec 2002 10:02:00 -0500
From: "Walter Amos" <waltk8cvamosqrp@earthlink.net>
To: "Qrp-L Posts" <qrp-l@lehigh.edu>
Subject: [142168] Yes, kind person!! who sent me OHR500 info - I lost your email!
Message-ID: <000901c2a381\$c27ac690\$db9c9840@WALTK8CV>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Do it to the whole group or at least also to ME thanks !

Walt K8CV Royal Oak, MI.

----- Original Message -----

From: <tlogan7@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 14, 2002 1:39 AM
Subject: person who sent me OHR500 info - I lost your email!

> Hi folks -
> One kind person sent me some excellent notes about his experience with
> replacing the power cord, some voltage drops, and a solution with changed
> diodes (I think that was it) on hos OHR 500 (or 400). It was very good
info
> and I seemed to have trashed the email!!!!!!! Rats!! If you are out
there
> and read this could you send the email again? Many thanks.
> 73/Tim NZ&C
>
>

Date: Sat, 14 Dec 2002 10:04:40 -0500
From: Garey Barrell <k4oah@mindspring.com>
To: schoon@amgt.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142169] RE: Results with no AGC and wide filter
Message-ID: <5.1.0.14.0.20021214100307.00a2e6f0@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Mark -

Possibly "How to Maximize Your Receiver's Effective Selectivity--" in
February and March 2001 QST?

Used the TS-940 for the example.

73, Garey - K40AH
Atlanta

At 12:46 AM 12/14/2002, Mark Schoonover wrote:

>No, it was in the last couple of years... I probably still have it, I'll dig
>it out.
>
>.mark
>

>On Fri, 13 Dec 2002, Mark Schoonover wrote:

>

> > QST did a rather extensive article(s) on using RF gain, and other
>controls.

> > Don't remember the issue offhand, but I found it very interesting.

> >

> > 72

> >

> > .mark

> >

Date: Sat, 14 Dec 2002 09:08:27 -0600

From: "K0FF" <K0FF@nemonet.com>

To: <qrp-l@lehigh.edu>

Subject: [142170] Datak Basic VFO kit

Message-ID: <07e001c2a382\$a87dfc20\$83c249d8@pavilion>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Recently I built up one of the Datak Basic VFO's, having a need for a signal source. The output is not a radio wave (sine wave) but a digital timer wave (square wave). Naturally, there is no way to use something like this as a signal source. Has anyone else had similar results. Correspondence with DATAK seems to indicate that a square wave was just fine for this application. Could it be they marketed something that was never tested, or is it my setup at fault?

Happy Homebrewing

Geo>K0FF

Date: Sat, 14 Dec 2002 09:08:47 -0600

From: Karl Kanalz <kkanalz@gcecisp.com>

To: "'w2agn@w2agn.net'" <w2agn@w2agn.net>,

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [142171] RE: SKN/RMN

Message-ID: <01C2A350.9BA9C1A0@KKANALZ>

I'm in the process of replacing the green filament wiring in my Heath AT-1

transmitter (the old plastic wire has dried and cracked apart over the years) especially for SKN. The AT-1 is in "virgin" condition - not a single scratch on the cabinet or chassis and still has its original crystal socket and "Shurite" meter on the front panel (I hate that meter, but want to keep it totally "original!").

My genuine J-38 key is all shined up and ready to go when SKN rolls around.

What I DON'T know, however, is whether or not I can still send with a straight key! [grin] Guess I'd better get my code-practice oscillator out and re-learn straight key sending!

Framistan (you can call me "Fram") K - W8TIF
McKinney, Texas

-----Original Message-----

From: W2AGN [SMTP:w2agn@w2agn.net]
Sent: Saturday, December 14, 2002 8:30 AM
To: Low Power Amateur Radio Discussion
Subject: Re: SKN/RMN

On 14 Dec 2002 at 7:24, Rod N0RC wrote:

> Does anybody (everybody) have a plan to build a simple straight key? ;-)
>
> I was hoping somebody might bring this up (thanks Dave). Show us what
> you got, tell us how to build it...there is still plenty of time. Heck
> we will make this a sub-activity of SKN/RMN. Build it, post it, send me
> a picture for inclusion in the Rock-Mite files.
>
> (Remember, if it is ugly enough it might qualify as a modern art object
> ;-)
>

I had planned on firing up the old BA rigs for SKN, but I will set aside some time to run the Rockmites also. Sounds like fun. I have a new miniature straight key that should be just the thing.

+---+---+---+---+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Sat, 14 Dec 2002 10:18:05 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <K0FF@nemonet.com>
Subject: [142172] Re: Datak Basic VFO kit
Message-ID: <010101c2a384\$01712cc0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For many types of mixers, a square wave is preferable to a sine wave. So if the point of having a VFO is to use it as a VFO, then normally a square wave would be a good thing. Now, if what you want is a signal generator, maybe not. If the square wave is clean (i.e. no jitter) then a good low pass filter will turn it into a sine wave. So I wouldn't be overly concerned about it being square.

However, lots of digital signal sources tend to have some phase noise. That can be a lot harder to deal with than the sharp edges.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "K0FF" <K0FF@nemonet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 14, 2002 10:08 AM
Subject: Datak Basic VFO kit

> Recently I built up one of the Datak Basic VFO's, having a need for a
> signal source. The output is not a radio wave (sine wave) but a digital
> timer wave (square wave). Naturally, there is no way to use something
like
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Correspondence
> with DATAK seems to indicate that a square wave was just fine for this
> application. Could it be they marketed something that was never tested, or
> is it my setup at fault?
>
> Happy Homebrewing
>
> Geo>K0FF
>

Date: Sat, 14 Dec 2002 07:39:22 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: QRP-1 <qrp-1@lehigh.edu>
Subject: [142173] Re: SKN/RMN
Message-ID: <20021214153922.53353.qmail@web41009.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Back in the late eighties, when I had my first
return to the hobby after about 18 years, I had a
HW-7, but no key. No problem! I held the end of a wahrr
in each hand, and tip-tapped away! Works for the short term...

=====
73, 72 es oo, Lloyd, K3ESE
K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr
ARRL - ARS #1301 - FISTS #8774
FPqrp #476 - QRPparci #11147
QRP-L #2415 - SOC #530
HGT #6'1 - Wgt #190 - BT #B-
dit dididit dit

Do you Yahoo!?
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<http://mailplus.yahoo.com>

Date: Sat, 14 Dec 2002 10:39:01 -0500
From: "Kenny Mac" <killmodell@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142174] Pixie questions
Message-ID: <002301c2a386\$eed9ee00\$2870e341@kensmain>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi everyone.

I have a question for anyone knowledgeable in the ways of the pixie2.

I did a Manhattan style 40m pixie and at first picked up tons of noise (mostly 1200-1400 am stuff) some shortwave.....I am very new to this stuff so I am just moving wires around and playing with antennas and caps and

chokes and looking at the change in waveforms....fascinating stuff....

anyway, on the the pixie I placed a coil (choke) that I must have found from an old radio (it says 45 610) so I have no idea what uH this thing is....and tied it to the collector of Q1 to ground which now puts it in parallel with L2 which affects the input filter of Q2 ... is that correct ??? What is Q2's influence on the RF going to the 386 ?

when this coil is put in place allot of the noise has gone away and I am hearing tons of CW, which is awesome :) (but I don't hear too many rookies out there, it all sounds very fast.....:(

why does placing that coil in the circuit filter out so much of the noise? would a variable cap so the same thing ?
how do I tune this thing ?? am I missing something ?? it's a variable cap I'm guessing but where to place it?

Is there a Pixie 2 class still , or any other qrp type classes planned for the future?

Im still trying to get the theory straight in my head:
How is the RF getting to the 386 through Q2 ?

I have a pretty good scope and would love to know what to look for in order to gain insight into the theory...

I sure appreciate any help, and appologize for the rookie questions...

thanks for the time and all of your insights...
I cant believe how much fun Im getting out of a 10 dollar kit....

thanks for the bandwidth

ken

Date: Sat, 14 Dec 2002 11:00:18 -0500
From: wkhibbert@juno.com
To: qrp-l@lehigh.edu
Subject: [142175] G3YCC's Homebrew Key
Message-ID: <20021214.110021.-445795.1.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamp

I found where I had filed Frank's hand key. I have it in a Word document, 44k in size.

If anyone wants a copy, drop me a line and i will send it as an attachment directly to you...

It was built with door knob hardware and some cabinet parts & wood screws. Inexpensive and duplicatable with basic tools.

73, Wm. Keith Hibbert, WB2VU0, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"

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Date: Sat, 14 Dec 2002 08:07:03 -0800
From: "blinn" <blinn@smgazette.com>
To: <rod@n0rc.us>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142176] Re: SKN/RMN
Message-ID: <002201c2a38a\$d94b4bc0\$a48aa242@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Rod N0RC <rod@n0rc.us>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, December 14, 2002 6:28 AM
Subject: Re: SKN/RMN

>Does anybody (everybody) have a plan to build a simple straight key? ;-)
>

Here's what I made last year.

Bill - WA7TQK

http://members.tripod.com/Bill_Linn/StKey.htm

[SMGazette.com E-mail is scanned for viruses by Declude Virus]
[Visit us on the web at SMGazette.com]

Date: Sat, 14 Dec 2002 11:14:52 EST
From: n5ib@juno.com
To: qrp-1@lehigh.edu
Subject: [142177] Re: SKN/RMN
Message-ID: <20021214.101133.4663.2.n5ib@juno.com>

I love straight keys... much rather use one than a keyer - real "romance of the aether" :^))
By the time SKN rolls around I should have both the 40 and the 20 RockMites humming. The plan is to take all the straight keys I've got and wire them in parallel, and use every one during every QSO:

J-38, Lionel J-38, Arco J-38, J-37, Nye Master Key, Johnson Speed-X rectangular base, Johnson Speed-X oval base, Doug Hauff minikey, WhiteRook minikey, ball-bearing Japan Key, Stream Key, Bown Bros. key

photos of most of these on my web page <<http://www.qsl.net/n5ib>>

see y'all SKN from Cajun Country

72
Jim N5IB

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Date: Sat, 14 Dec 2002 10:19:11 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142178] Re: SKN/RMN [R-M/80 QRV]
Message-ID: <3.0.2.32.20021214101911.00825e80@mail.9plus.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Yep, Bill, I've had one on 80. Made two Qs before the noise overwhelmed my ears... [g]

At 09:45 AM 12/14/2002 -0500, Bill, N4QA wrote:

>
>Great idea, Rod!
>Me and the Rockster mobile will be on 20 during daylight hours...maybe early
>evening too if 20 stays open.
>Hey, anybody put a Rock-Mite on 80 yet?
>Anyway, during nighttime, I'll be on 80 with...you-know-what :)
>
>
>73.
>Bill, N4QA
><http://www.qsl.net/n4qa/>
>
>
>
>
>-----
>Help STOP SPAM with the new MSN 8 and get 2 months FREE*
><http://join.msn.com/?page=features/junkmail>
>
>

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Sat, 14 Dec 2002 11:22:43 -0500 (EST)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: wkhibbert@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142179] Re: SKN/RMN
Message-ID: <20021214112154.M25987-1000000@unix1.vhost.min.net>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 14 Dec 2002 wkhibbert@juno.com wrote:

> G3YCC had a key made from door handle hardware on his site. I might have
> that info here still. Now if I can only remember what i filed it
> under...

>From the G3YCC memorial site
www.zerobeat.net/g3ycc/mykey1.htm

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and DrakeList
http://www.tlchost.net	Web Hosting as low as \$3.49/month

Date: Sat, 14 Dec 2002 08:26:53 -0800
From: Mark Schoonover <schoon@amgt.com>
To: "'Garey Barrell'" <k4oah@mindspring.com>, Mark Schoonover <schoon@amgt.com>,
Subject: [142180] RE: Results with no AGC and wide filter
Message-ID: <BF889CEBEFD2D511B993009027F60ABE251B6B@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Yeah, that was it!

Thanks!

.mark

-----Original Message-----
From: Garey Barrell [<mailto:k4oah@mindspring.com>]
Sent: Saturday, December 14, 2002 7:05 AM
To: schoon@amgt.com; Low Power Amateur Radio Discussion
Subject: RE: Results with no AGC and wide filter

Mark -

Possibly "How to Maximize Your Receiver's Effective Selectivity--" in February and March 2001 QST?

Used the TS-940 for the example.

73, Garey - K40AH
Atlanta

At 12:46 AM 12/14/2002, Mark Schoonover wrote:

>No, it was in the last couple of years... I probably still have it, I'll dig
>it out.

>

>.mark

>

>On Fri, 13 Dec 2002, Mark Schoonover wrote:

>

> > QST did a rather extensive article(s) on using RF gain, and other
>controls.

> > Don't remember the issue offhand, but I found it very interesting.

> >

> > 72

> >

> > .mark

> >

Date: Sat, 14 Dec 2002 10:30:06 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>

Subject: [142181] Fox - Winter Fox Hunt Teams.

Message-ID: <Pine.LNX.4.33.0212141022490.24181-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #8 - KV2X -

Burbank Wrecking Crew - 27

Cheeseheads - 32

Michael - K6MMC

Jerry - N9AW

Todd - AG0T *
Don - KC2CK
Woody - WD9F
Trev - KG6CYN

Jim - WA9TZE
Lon - W9XU
Rick - NK9G
Glenn - WE9K

NE-TX Tornados - 37

p-Shooters - 15

Chuck - W5USJ *
Bill - K5JHP * Clean
Don - K5DW * Sweep
Doc - W5TB *
George - W5YR *

Chuck - K7Q0
Gary - NQ7T
Jim - KC1FB
Wayne - W5KDJ
Tony - KB9YIG

Raiders of the Lost RF - 33

Swamp Rats - 36

Dan - VE6EX *
Earl - VA6RF *
Fred - VE3FAL *
Robert - VE6JAZ
Bruce - VE5RC *

Larry - N2WW *
ET - N1FN * Clean
Paul - K4FB * Sweep
Doc - K0EVZ *
Tom - N1TP *

K1 K9s - 23

Cajun Thunder - 30

Lloyd - K3ESE
John - K8HJ
Ralph - KD1R
Joe - W2RBA
Alan - N3BJ

Wayne - K5E0A *
Jim - N5IB *
Vern - AA50 *
Wayne - N5YFC
Tom - AC5JH *

Great Lakers - 28

Underdogs - 33

Mark - K2Q0
Tom - KV2X *
Al - K2ZN *
Bill - K2TER *
Jeff - VA3JFF

Dan - N4R0A
Dave - W0CH *
Ron - KI0II *
Randy - K7TQ
Art - KB7WW

Aluminum Kings - 23

Dust Devils - 24

Bob - N4BP *
Jim - N0UR
Al - K0FRP
Pat - K0PC
Wayne - N9NE *

George - KR5C *
Martin - N6LIF *
Eric - NM5M *
Dale - K5SR *
Lew - N5ZE

Loco-motives - 20

Frank - K2PQ
Jack - K5FSE
Jason - N8XE
Mike - VA6MJT
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sat, 14 Dec 2002 09:31:18 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: qrp-1@lehigh.edu, K0FF@nemonet.com
Subject: [142182] Re: Datak Basic VFO kit
Message-ID: <BA20AAE6.21E84%JamesDuffey@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

George - Is this the kit that uses the Linear LTC1799 chip? If so, that
ragged square wave can be used as a signal generator for non critical
applications. It will fill the bill for simple alignment of receivers as an
example. A low pass filter will clean up the signal considerabaly.

Tony and Graham use this chip for a signal generator in their book about low
cost test gear.

It is not suitable for recceiver applications, other than the most crude. -
Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sat, 14 Dec 2002 11:31:22 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: <n4qa@hotmail.com>, <qrp-1@lehigh.edu>
Subject: [142183] Re: SKN/RMN
Message-ID: <004201c2a3a7\$634dbc60\$39bd3a41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>>Hey, anybody put a Rock-Mite on 80 yet?

Bill-

I tried it out on 3686 KHz- a readily-available crystal frequency in the Novice/Tech+ allocation. By eliminating the 'shift' zener diode (D5), there should be about 650-700 Hz of shift available. Local oscillator caps C10 and C11 as well as the output filter components also change.

73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com
<http://smallwonderlabs.com>
Phone/fax 860-537-8031

Date: Sat, 14 Dec 2002 11:10:09 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [142184] RE: SKN/RMN
Message-ID: <01C2A361.5DE5ED60.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

SKN is great fun because it gives me the motivation to dust off the boatanchors. Expect to hear me this year with the HT-40 and maybe DX-35 plus VF-1, and Drake 2B/and or homebrew TDA1072 receiver. And of course

the beautiful J-38.

I love straight keys, but they kill my arm so I'm only good for a few Qs.

72--Nick, WA5BDU

My keys: <http://www.tcainternet.com/wa5bdu/mymorse.htm>

TDA1072 receiver: <http://www.tcainternet.com/wa5bdu/1chiprx.htm>

Date: Sat, 14 Dec 2002 12:15:49 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>, "NoVAQRP" <NoVaQRP@topica.com>,
"NJQRP" <njqrp@njqrp.org>, "EPA-QRP" <EPA-QRP@yahooglegroups.com>
Subject: [142185] EPAQRP 2003 Calendars received - very nice
Message-ID: <008601c2a394\$799f3740\$a0c03ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Returned from west coast biz travel (yet again this week) to find the EPAQRP 2003 Calendars I ordered ... they are very nice! Almost time to replace the 2002 versions I have hanging in the shack and at work.

Thanks much to Ron WB3AAL and the EPA group for the effort in producing this.

73, George N2APB

PS: I think you can still order a calendar from them on the EPAQRP web pages at www.n3epa.org

Date: Sat, 14 Dec 2002 11:09:36 -0700
From: "Thomas Kuehl" <ac7a@earthlink.net>
To: <K0FF@nemonet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142186] Re: Datak Basic VFO kit
Message-ID: <009d01c2a39b\$f69f2b40\$a0110ac@texas6oef4glwm>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George,

Actually a square wave is quite useful as a signal source for driving a passive mixer. I have driven doubly balanced mixers (DBM) with square waves and had completely satisfactory performance from the mixer. The DBM is made of 4 switching diodes that switch in pairs. It is arranged such that both the input and oscillator signals are balanced out (canceled) at the output; and only the mixer products are coupled through. The mixing action itself is the result of the non-linear diode characteristics as the diodes transfer curve is traversed by the signals applied to the diodes. Regardless of whether you drive it with a sine or other waveform, the diode transfer curve will be traversed and mixing will take place. I remember going through the analysis of mixers back in college and some reference to the Van der Bijl equations (I think?). That was back in the mid-70's and my memory is not precise.

Anyway, if you want to drive something directly with a squarewave, place a 5-pole or greater low-pass filter on the output of the signal source. That will greatly reduce the higher order harmonics that accompany the fundamental frequency.

Surely, there others on the list who know more about this than me. Please comment and make corrections!

Regards, Thomas - AC7A (Tucson)

----- Original Message -----

From: "K0FF" <K0FF@nemonet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, December 14, 2002 8:08 AM

Subject: Datak Basic VFO kit

> Recently I built up one of the Datak Basic VFO's, having a need for a
> signal source. The output is not a radio wave (sine wave) but a digital
> timer wave (square wave). Naturally, there is no way to use something
like
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Correspondence
> with DATAK seems to indicate that a square wave was just fine for this
> application. Could it be they marketed something that was never tested, or
> is it my setup at fault?
>
> Happy Homebrewing
>

> Geo>K0FF

>

>

Date: Sat, 14 Dec 2002 12:11:47 -0600
From: "K0FF" <K0FF@nemonet.com>
To: <qrp-1@lehigh.edu>, "Ed Tanton" <n4xy@earthlink.net>
Subject: [142187] Re: Datak Basic VFO kit UPDATE DE K0FF
Message-ID: <087201c2a39c\$4594cac0\$83c249d8@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well good news/bad news. Evidently this problem could not be overcome, and Datak has just informed me that they are pulling the product from the market and will give me a refund, even though it was purchased from Ocean State Electronics (in good faith I'm sure, they do a lot to support home-brewer's at Ocean State: <http://www.oselectronics.com/>)

Happy Homebrewing, Geo>K0FF

QRP International member since 1965....be sure to look at my home made straight keys and paddles articles with photos and instructions coming up on eHam, soon.

I will make the telephone switches, from which we salvage the springy contacts and knobs available to cost to QRPers.

Geo

----- Original Message -----

From: "Ed Tanton" <n4xy@earthlink.net>
To: <K0FF@nemonet.com>
Sent: Saturday, December 14, 2002 11:58 AM
Subject: Re: Datak Basic VFO kit

> Actually George, you should be able to do SOME filtering then waveshaping
> with LC components on the output. I'd mess around with that before I
tossed

> it out. Where did you manage to find one to buy?

>

> At 10:08 AM 2002-12-14, you wrote:

> >Recently I built up one of the Datak Basic VFO's, having a need for a

> >signal source. The output is not a radio wave (sine wave) but a digital

> >timer wave (square wave). Naturally, there is no way to use something like

> >this as a signal source. Has anyone else had similar results.

Correspondence

> >with DATAK seems to indicate that a square wave was just fine for this
> >application. Could it be they marketed something that was never tested,
or

> >is it my setup at fault?

> >

> >Happy Homebrewing

> >

> >Geo>K0FF

>

> 73 Ed Tanton N4XY <n4xy@earthlink.net>

>

> Ed Tanton N4XY

> 189 Pioneer Trail

> Marietta, GA 30068-3466

>

> website: <http://www.n4xy.com>

>

> All emails <IN> & <OUT> checked by

> Norton AntiVirus with AutoProtect

>

> LM: ARRL QCWA AMSAT & INDEXA;

> SEDXC NCDXA GACW QRP-ARCI

> OK-QRP QRP-L #758 K2 (FT) #00057

>

>

Date: Sat, 14 Dec 2002 14:10:32 -0400

From: "Alan Slusher" <aslusher@sunbeach.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [142188] Re: Yes, kind person!! who sent me OHR500 info - I lost your email!

Message-ID: <001701c2a39c\$19c10120\$ac09cd42@alan>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

My -400 and I second that wholeheartedly.

A Merry Christmas and a Happy and Prosperous New Year (that includes QRP DX contacts) to all.

Alan 8P9BM

> Do it to the whole group or at least also to ME thanks !
>
> Walt K8CV Royal Oak, MI.
>
> ----- Original Message -----
> From: <tlogan7@cox.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Saturday, December 14, 2002 1:39 AM
> Subject: person who sent me OHR500 info - I lost your email!
>
>
> > Hi folks -
> > One kind person sent me some excellent notes about his experience with
> > replacing the power cord, some voltage drops, and a solution with
changed
> > diodes (I think that was it) on hos OHR 500 (or 400). It was very good
> info
> > and I seemed to have trashed the email!!!!!!! Rats!! If you are out
> there
> > and read this could you send the email again? Many thanks.
> > 73/Tim NZ&C
> >
> >
>
>
>

Date: Sat, 14 Dec 2002 12:44:15 -0600
From: "K0FF" <K0FF@nemonet.com>
To: <qrp-l@lehigh.edu>
Subject: [142189] Homebrew keys and paddles DE K0FF
Message-ID: <089e01c2a3a0\$cea35260\$83c249d8@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

These articles are not quite ready for release, but if you are in

interested in homebrew keys and paddles, you can bookmark them and go back later when the pictures are installed. Right now all you see is the text version.

Keys and paddles:

<http://www.eham.net/articles/4405>
<http://www.eham.net/articles/4404>
<http://www.eham.net/articles/4403>
<http://www.eham.net/articles/4402>

and the handy MC to MHz chart
<http://www.eham.net/articles/4323>

Have Fun, Geo>K0FF

Date: Sat, 14 Dec 2002 12:45:39 -0600
From: "Burnley" <nu0v@arrl.net>
To: <qrp-l@lehigh.edu>
Subject: [142190] Re: SKN/RMN.....IA QRP Paperclip Straight Key
Message-ID: <003001c2a3a0\$ffff16460\$6401a8c0@mchsi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Iowa QRP Club had a 'limited edition' paper clip straight key they gave out at their building session last summer. If anyone is interested I'll see if I (or another member) have any pictures laying around.

72/73, John NU0V

Date: Sat, 14 Dec 2002 10:51:00 -0800
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <nu0v@arrl.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142191] Re: SKN/RMN.....IA QRP Paperclip Straight Key
Message-ID: <001d01c2a3a1\$c4866780\$0b02a8c0@WorkGroup>

MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Please do..

--ian k3imw/6

----- Original Message -----

From: "Burnley" <nu0v@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 14, 2002 10:45 AM
Subject: Re: SKN/RMN.....IA QRP Paperclip Straight Key

> The Iowa QRP Club had a 'limited edition' paper clip straight key
> they gave out at their building session last summer. If anyone is
> interested I'll see if I (or another member) have any pictures laying
> around.
>
> 72/73, John NU0V
>
>
>

Date: Sat, 14 Dec 2002 11:05:26 -0800
From: "Frank King" <fking@oregonvos.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142192] Fw: test
Message-ID: <000401c2a3a3\$c3702aa0\$6a6afea9@fking>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Frank King" <fking@oregonvos.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 14, 2002 11:02 AM
Subject: test

> Frank
> AA7XA
>

Date: Sat, 14 Dec 2002 13:32:48 -0600
From: "K0FF" <K0FF@nemonet.com>
To: <qrp-l@lehigh.edu>
Subject: [142193] Re: 222MHz for FT-817?
Message-ID: <0b5f01c2a3a7\$a15a22a0\$83c249d8@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

cool antenna links. Here's one of mine for the copper squares for 6 and 2
meters. No reason on can't be made for 222 also!
<http://www.qsl.net/k0ff/index.html>

Date: Sat, 14 Dec 2002 15:23:12 -0500
From: Juan Ferrari <puntrad@usa.net>
To: " " <qrp-l@lehigh.edu>
Subject: [142194] Power supply
Message-ID: <775gLNuXm5216S10.1039897392@cmsweb10.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Hi gang.
Some time ago I remember reading an article regarding the use of PC power=
supplies in ham radio.
I can't find the copy of that article so I'll appreciate if somebody can =
tell
me where to look for it or send me a copy.
I made the search at google but couldn't locate it.
Tnx in advance es 72
Juan - KG4FSN =

Date: Sat, 14 Dec 2002 14:46:07 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Garey Barrell <k4oah@mindspring.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142195] RE: Results with no AGC and wide filter
Message-ID: <Pine.LNX.4.44.0212141441150.2131-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Garey, I have these 2 QST's and just skimming the words show me that the development of his theory is too long. He says several times you want the smallest possible signal level at the filter. Later he says to adjust the RF Gain etc. This will do as something from someone else that wants you to use the RF Gain control as I do.

I will now take a nap with these QST's and read the thing.

On Sat, 14 Dec 2002, Garey Barrell wrote:

> Mark -
>
> Possibly "How to Maximize Your Receiver's Effective Selectivity--" in
> February and March 2001 QST?
>
> Used the TS-940 for the example.
>
> 73, Garey - K4OAH
> Atlanta
>
>
> At 12:46 AM 12/14/2002, Mark Schoonover wrote:
> >No, it was in the last couple of years... I probably still have it, I'll dig
> >it out.
> >
> >.mark
> >
> >On Fri, 13 Dec 2002, Mark Schoonover wrote:
> >
> > > QST did a rather extensive article(s) on using RF gain, and other
> >controls.
> > > Don't remember the issue offhand, but I found it very interesting.
> > >
> > > 72
> > >
> > > .mark
> > >

>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sat, 14 Dec 2002 13:02:02 -0500
From: Rick McKee <kc8aon@juno.com>
To: K0FF@nemonet.com, qrp-1@lehigh.edu
Subject: [142196] Re: Datak Basic VFO kit
Message-ID: <20021214.164710.8870.0.kc8aon@juno.com>

A friend of mine built one to incorporate into a qrp rig and had stability problems with it - it would not stay put on one frequency. He contacted the company and was told they had a bad run of IC's and had another design on the table and would send him one as soon as they got all the bugs worked out.

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio
SW 40+, HW-8, Homebrew 6V6 tube TX & Surplus GRC 109 RX
Power is for punks ! QRP is for the confident !
QRP-L #2112, FPqrp #33, AR QRP #269
"A clear conscience is most likely the result of a poor memory"

On Sat, 14 Dec 2002 09:08:27 -0600 "K0FF" <K0FF@nemonet.com> writes:
>Recently I built up one of the Datak Basic VFO's, having a need for a
>signal source. The output is not a radio wave (sine wave) but a
>digital
>timer wave (square wave). Naturally, there is no way to use something
>like
>this as a signal source. Has anyone else had similar results.
>Correspondence
>with DATAK seems to indicate that a square wave was just fine for this
>application. Could it be they marketed something that was never
>tested, or
>is it my setup at fault?
>
>Happy Homebrewing
>
>Geo>K0FF
>
>

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Date: Sat, 14 Dec 2002 16:52:15 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142197] RE: Results with no AGC and wide filter
Message-ID: <3DFB61BF.4933.5CEDF81@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 14 Dec 2002 at 14:46, Karl F. Larsen wrote:

>
> Hi Garey, I have these 2 QST's and just skimming the words show me that
> the development of his theory is too long. He says several times you
> want the smallest possible signal level at the filter. Later he says to

> adjust the RF Gain etc. This will do as something from someone else
that
> wants you to use the RF Gain control as I do.
>
> I will now take a nap with these QST's and read the thing.
>

I don't know about the rest of you, but I can hardly wait for Karl to
wake up from his nap, and give us his scientific analysis on these
articles.

News at 11.

+---+---+---+---+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

End of QRP-L Digest 2769
